

In the claims:

Please add new claims 68 to 85 as follows:

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86 68. (Amended) An intracorneal insert for introduction into the cornea of a human eye, said insert comprising a physiologically compatible polymer and further comprising at least one elongated portion having a component with a radius of curvature, measured along the centroidinal axis of the insert, greater than 5.0 mm, wherein the insert is adapted for implantation within a human cornea with said component extending in a meridional direction thereby to effect refractive correction.

87 69. (New) The insert of claim 68, wherein said radius of curvature is at least 5.5 mm.

88 70. (New) The insert of claim 68, wherein said radius of curvature is between 6.0 and 9.0 mm.

89 71. (New) The insert of claim 68, wherein said radius of curvature is between 7.0 and 8.0 mm.

90 72. (New) The insert of claim 68, wherein said meridional component has a radius of curvature approximating a human corneal curvature when placed in the eye.

91 73. (New) The insert of claim 68, having a centroidinal length of less than 3.0 mm.

92 74. (New) The insert of claim 73, wherein said centroidinal length is less than or equal to 2.5 mm.

93 75. (New) The insert of claim 73, wherein said centroidinal length is less than or equal 2.0 mm.

94 76. (New) The insert of claim 68, wherein said elongated portion extends only in a single direction.

95 77. (New) The insert of claim 68, including at least two elongated portions extending in different directions.

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96 78. (New) The insert of claim 77, wherein said insert is configured in the shape of an anchor.